Form AD9 (revised August 2007)

WASTE SAMPLE INFORMATION

NCDA&CS Agronomic Division Plant/Waste/Solution Section
Mailing Address: 1040 Mail Service Center, Raleigh NC 27699-1040
Physical Address (UPS/FedEx): 4300 Reedy Creek Road, Raleigh NC 27607
Phone: (919) 733-2655 Web Address: www.ncagr.com/agronomi

FOR OFFICE USE ONLY
REPORT #

DATE REC'D
PAID

SAMPLE TYPE
(circle one / see instructions)

Predictive	**Diagnostic**
Research	**Out of State**

SAMPLE INFORMATION

FARM ID | **SAMPLED BY**

DATE

NO. OF SAMPLES _____

COUNTY(where collected) _____

PAYMENT DUE: _____
(see fee information on back)

( ) CHECK (payable to NCDA&CS)
( ) MONEY ORDER ( ) CASH
( ) ESCROW ACCOUNT (enter acct. name)
_____

GROWER INFORMATION (please print)

LAST NAME FIRST NAME PHONE
(_ _ _) _ _ _ – _ _ _ _

ADDRESS

CITY STATE ZIP

GROWER E-MAIL

CONSULTANT/OTHER RECIPIENT

LAST NAME FIRST NAME PHONE
(_ _ _) _ _ _ – _ _ _ _

ADDRESS

CITY STATE ZIP

OTHER RECIPIENT E-MAIL

Results are available online (for N.C. samples only). Please check this box ☐ if you do not need a report mailed to you.

LAB NUMBER (leave blank)	SAMPLE ID	WASTE CODE	SAMPLE DESCRIPTION / COMMENTS	APPLICATION METHODS		CORRESPONDING SAMPLE ID SOIL	PLANT	SOLUTION	EXTRA TESTS ($10) NO_3 NH_4	Heavy metals	CCE	LAB USE ONLY pH	EC	C	%DM	S

HOW TO FILL OUT THE INFORMATION SHEET (provide all information requested in shaded areas)

SAMPLE TYPE — ***Predictive*** samples are analyzed for nutrient content. The report will provide interpretation & general recommendations. An agronomist reviews results of ***diagnostic*** samples, identifies potential nutritional problems & makes suggestions for management. ***Research*** is for samples submitted in connection with an approved research contract agreement. ***Out of state*** is for samples submitted from outside North Carolina.

GROWER INFORMATION — Provide contact information (phone with area code, address, e-mail) and area where sample was collected.

PAYMENT — Calculate total fee based on number and type of sample types and any additional tests (see back). Indicate method of payment.

SAMPLE ID — Provide sample identification (no more than six digits or letters). Put the same ID on the sample container.

WASTE CODE — Identify the type of waste in the sample by using codes (see back of information sheet).

SAMPLE DESCRIPTION / COMMENTS — Briefly describe problem or reason for sampling (necessary for diagnostic samples).

APPLICATION METHODS — Select one or two application methods from the list at the right for estimation of nutrient availability.

CORRESPONDING SAMPLE ID — List the IDs of any matching soil, plant or solution samples submitted.

EXTRA TESTS — Indicate nonstandard tests desired: nitrogen breakout (nitrate & ammonium), heavy metals and calcium carbonate equivalence.

APPLICATION METHODS

BR = Waste broadcast on soil surface and left uncovered for one week

SI = Waste broadcast on soil surface and plowed or disked into soil within two days

IN = Waste injected directly into the soil and covered immediately

IR = Waste applied through irrigation system and left uncovered for one week or longer

WASTE ANALYSIS FEES: **Cost per sample = Base fee** [$5 for N.C. residents; $25, out-of state samples; $12, research samples] + **$10 for each optional special test requested.** Special tests include the following: calcium carbonate equivalence (CCE), heavy metals, nitrogen break-out (NO_3 and NH_4). ***If you want additional tests, you must check the appropriate box on the front of this form and include sufficient payment.***

FARM WASTE SAMPLE CODES §

Lagoon Liquid — Aerobic

AES Swine
ATO Other *

Lagoon Liquid — Anaerobic

ALB Beef
ALS Swine
ALP Poultry
ALV Veal
ALO Other *

Lagoon Sludge — Aerobic

ASW Swine

Lagoon Sludge — Anaerobic

ASB Beef
ASP Poultry
ASS Swine
ASO Other *

Manure — Liquid Slurry

LSB Beef
LSD Dairy (storage pond)
LSP Poultry
LSS Swine
LSS Veal
LSO Other *

Manure — Surface Scraped or Stockpiled

SSB Beef
SSD Dairy
SSE Sheep
SSG Goat
SSH Horse
SSS Swine
SSO Other *

Poultry House Litter

HBB Broiler breeder
HLB Broiler
HLD Duck
HLT Turkery
HLO Other *

Poultry — Stockpiled Litter

SLB Broiler
SLD Duck
SLT Turkey
SLO Other *

Waste — Composted

FCB Beef
FCD Dairy
FCE Sheep
FCG Goat
FCC Crop residue
FCV Vegetable residue
FPM Poultry mortality
FSM Swine mortality
FCW Other *
FCH Horse
FCP Poultry
FCS Swine

Waste — Noncomposted

NBS Bark / Sawdust
NCR Crop Residue
NVR Vegetable residue
NCW Other *

MUNICIPAL / INDUSTRIAL WASTE SAMPLE CODES §

Industrial — Miscellaneous

IOC Composted
IOE Aerobic
ION Anaerobic
IOL Lime stabilized
IOR Raw
IOX Chem ox (Cl)
IOO Other *

Industrial — Pharmaceutical

PHC Composted
PHA Aerobic
PHN Anaerobic
PHL Lime stabilized
PHR Raw
PHX Chem ox (Cl)
PHO Other *

Industrial — Poultry

PCW Composted
PAE Aerobic
PAN Anaerobic
PLS Lime stabilized
PLR Raw
POX Chem ox (Cl)
PLO Other *

Industrial — Stack Dust / Ash

SAR Raw
SAC Composted
SAO Other *

Industrial — Textile

TXR Raw
TAE Aerobic
TAN Anaerobic
TLS Lime stabilized
TOX Chem ox (Cl)
TCW Composted
TXO Other *

Municipal

MAE Aerobic
MAN Anaerobic
MLS Lime stabilized
MOX Chem ox (Cl)
MCY Composted yard waste
MCS Composted sludge
MWO Other *

§ The NCDA&CS Agronomic Division laboratory is certified by the N.C. Department of Environment and Natural Resources to perform environmental analyses ***for animal waste operations only***. NCDA&CS is not certified to analyze industrial or domestic (municipal) wastes for regulatory compliance.

* Indicate type of waste in the **SAMPLE DESCRIPTION / COMMENTS** section.

TIPS ON SAMPLING FARM MANURES

Caution: As with soil testing, the analytical results from waste materials are no better than the sample. Submit samples that are representative of the waste material being evaluated. Keep the samples cool. If samples are stored for more than one day, they should be refrigerated. Do not put info sheet or payment inside sample containers.

LIQUID LAGOON

Construct a 10- to 15-foot pole with a 1/2-pint container attached to one end. Use this tool to collect liquid from at least five representative locations in the lagoon. Always take the sample approximately 10 feet from the edge of the lagoon and one foot under surface. Do not include floating scum or debris. Mix thoroughly. Put approximately one pint of liquid in a clean plastic container, ***leaving at least one inch of air space to allow for gas production***.

POULTRY LITTER

Stockpiled (Dry Stack): Collect representative core samples at least 18 inches deep from several locations on the pile. Mix samples thoroughly in a plastic bucket. Place approximately one quart of material in a clean plastic bag and send in a suitable container to the laboratory.

In-House: Inspect house and estimate percentage of floor space used in different activities (feeding, watering, etc.). Take core sections of litter in these areas to represent the proportionate makeup of the house. Mix samples thoroughly in a plastic bucket. Place approximately one quart of material in a clean plastic bag and send in a suitable container to the laboratory.

LIQUID MANURE SLURRY

Pit under Slotted Floor: Use a length of 1/2-inch conduit or similar device to collect the sample. With both ends of the conduit open, extend it into the manure pit floor. Place thumb over the end of the conduit, and remove the core sample. Do this at 8 to 12 locations in the pit. After taking the samples, mix thoroughly and send approximately one pint of material in a clean plastic container to the laboratory.

Exterior Storage Basin: After the slurry has been well mixed, take samples from approximately five locations in the pit. Place material in a plastic bucket and mix thoroughly. Send approximately one pint of slurry to the laboratory in a clean plastic container.

SURFACE SCRAPED MANURES

After manure has been piled, collect a representative sample from several locations. Place in a plastic bucket and mix thoroughly. Place approximately one quart of material in a clean plastic bag and send in a suitable container to the laboratory.

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